



# CFP2000 Result

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## IBM Corporation

IBM Bladecenter HS21(3.0 GHz Xeon 5160, 4MB L2 Cache)

SPECfp2000 = --

SPECfp\_base2000 = 2613

SPEC license #: 11 | Tested by: IBM Corporation | Test date: May-2006 | Hardware Avail: Jul-2006 | Software Avail: May-2006

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	48.4	3303		
171.swim	3100	113	2747		
172.mgrid	1800	103	1753		
173.aplu	2100	115	1833		
177.mesa	1400	49.9	2803		
178.galgel	2900	40.0	7241		
179.art	2600	24.9	10452		
183.quake	1300	44.6	2917		
187.facerec	1900	72.2	2632		
188.amp	2200	107	2062		
189.lucas	2000	101	1988		
191.fma3d	2100	109	1927		
200.sixtrack	1100	91.7	1200		
301.apsi	2600	169	1539		

### Hardware

CPU: Intel Xeon processor 5160 ( 3.0 GHz, 1333 MHz bus)  
CPU MHz: 3000  
FPU: Integrated  
CPU(s) enabled: 4 cores, 2 chips, 2 cores/chip  
CPU(s) orderable: 1, 2  
Parallel: No  
Primary Cache: 32KB(I) + 32KB(D) on chip (per core)  
Secondary Cache: 4096KB(I+D) on chip  
L3 Cache: N/A  
Other Cache: N/A  
Memory: 8 x 1024 MB ECC PC2-5300  
Disk Subsystem: 73GB SAS 15K RPM  
Other Hardware:

### Software

Operating System: Windows Server 2003 Enterprise Edition (32-bit)  
Compiler: Intel C++ and Fortran Compiler 9.1 for 32-bit applications  
Build 20060323Z Package ID: W\_FC\_P\_9.1.020  
Microsoft Visual Studio 2005 (for libraries)  
SmartHeap Library Version 8.0 from <http://www.microquill.com/>  
File System: NTFS  
System State: Default

## Notes/Tuning Information

```
+FDO: PASS1= -Qprof_gen PASS2=-Qprof_use
Base tuning for Fortran programs: -fast -Qansi_alias +FDO
Base tuning for 177.mesa: -fast +FDO shlw32M.lib
Base tuning for 179.art: -fast +FDO shlw32M.lib
Base tuning for 183.quake: -fast +FDO shlw32M.lib
Base tuning for 188.amp: -fast +FDO shlw32M.lib
Portability:
178.galgel: -FI /F32000000
```